

**Patent Claims**

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1. Flowable fibrin adhesive granulate, characterized in that it has granulate pellets with a particle size of over 50 to approximately 1000  $\mu\text{m}$  which contain thrombin, Factor XIII, fibrinogen and a calcium salt.
  2. Fibrin adhesive granulate in accordance with claim 1, characterized in that the granulate pellets have a particle size of 100 to 200  $\mu\text{m}$ .
  3. Fibrin adhesive granulate in accordance with claims 1 and 2, characterized in that it also contains albumin, fibronectin, and/or other substances that promote wound healing.
  4. Effervescent granulate or effervescent powder to generate a foam suitable for hemostasis, characterized in that in addition to the flowable fibrin adhesive granulate of claims 1 to 3, it also contains the substances required for the formation of  $\text{CO}_2$ .
  5. Effervescent granulate or effervescent powder in accordance with claim 4, characterized in that it contains a mixture of a carbonate and a physiologically safe organic acid for the formation of  $\text{CO}_2$ .
  6. Preparation to arrest bleeding, characterized in that it contains a wound care fleece comprised of a biodegradable support medium which is coated with a flowable fibrin adhesive granulate of the claims 1 to 3.
  7. Preparation in accordance with claim 6, characterized in that the wound care fleece is coated with a hydrophilic, non-aqueous salve base and that the fibrin adhesive of claims 1 to 3 is embedded in said salve base.

14. Preparation to arrest bleeding, characterized in that it is comprised of a hydrophilic, non-aqueous salve base into which the particles of a fibrin adhesive in accordance with claims 1 to 3 are embedded.

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15. Method for the preparation of the fibrin adhesive granulate in accordance with claims 1 to 3, characterized in that all components of the fibrin adhesive are suspended in an organic solvent and are spray-dried in an evacuable container by means of a fluidization gas in the fluidized bed up to a particle size of more than 50 to 1000  $\mu\text{m}$ , preferably 100 to 200  $\mu\text{m}$ .

16. Method in accordance with claim 15, characterized in that it is prepared with or without a support medium placed into the container as receiver.

17. Method for the preparation of a fibrin adhesive in accordance with claims 1 to 3, characterized in that a fibrinogen granulate is prepared first, and that a suspension of an organic solvent containing thrombin is sprayed onto said fibrinogen granulate, whereby a calcium salt is added either to the fibrinogen granulate or to the thrombin solution.

18. Method for the preparation of a fibrin adhesive granulate in accordance with claims 1 to 3, characterized in that the separately prepared fibrinogen- and thrombin granulate pellets, each of which have a particle size of more than 50  $\mu\text{m}$  to approximately 1000  $\mu\text{m}$ , are mixed with one another.

19. Method for preparing a preparation in accordance with claims 6 to 14, characterized in that the fibrin adhesive, which is available as a granulate mixture or as mixed granulate, is layered on a biodegradable support medium.

20. Method for preparing the preparation in accordance with claim 14, characterized in that a fibrin adhesive that is available as a granulate mixture or as mixed granulate is impasted with the hydrophilic, non-aqueous salve base.

21. Method for preparing a preparation in accordance with claims 6 to 14, characterized in that other biological, vegetable or synthetic active substances such as immunoglobulins, chemotherapeutics or antibiotics, which promote wound healing, are added to the fibrin adhesive granulate.

22. Use of a fibrin adhesive granulate in accordance with claims 1 to 5 or a preparation in accordance with claims 6 to 14, characterized in that it is used for wound healing in surgery, tissue therapy, and/or as support medium for biological factors.

23. Use of the wound care fleece, the bandage, the plaster or the salve or gel-type preparation in accordance with claims 6 to 14 for the hemostasis of interior or exterior wounds.

24. Use of an effervescent granulate or an effervescent powder in accordance with claims 4 and 5 for the preparation of an effervescent pressed tablet.

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